

20030413.qrp v02_n889.qrl.20030413

Date: Sun, 13 Apr 2003 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2889

QRP-L Digest 2889

Topics covered in this issue include:

- 1) [148961] Re: QSL FOR SWL
by DK3RED@t-online.de (Ingo Meyer DK3RED)
- 2) [148962] Info Needed
by "John" <jdorson@worldshare.net>
- 3) [148963] Using scope to figure rf power question
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 4) [148964] FS: Timex/Sinclair satellite antenna tracker
by "Howard Kraus" <K2UD@adelphia.net>
- 5) [148965] Mizuho P7DX
by john <johnmb@nc.rr.com>
- 6) [148966] WTS: (relocating) Watkins Johnson receiver module. Great homebrew parts...
by <ah7i@atl.org>
- 7) [148967] RE: RH40 Manual?
by "Dave Fifield" <dave@redhotradio.com>
- 8) [148968] RE: Using scope to figure rf power question
by "Dave Fifield" <dave@redhotradio.com>
- 9) [148969] Re: Using scope to figure rf power question
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 10) [148970] Re: Using scope to figure rf power question
by "George, W5YR" <w5yr@att.net>
- 11) [148971] Re: DSW-II questions answered
by "Mike Yetsko" <myetsko@insydesw.com>
- 12) [148972] ARCI QSO Party condx
by "Dave Ek" <ekdave@earthlink.net>
- 13) [148973] Missed & Not-Missed Dates
by Kenneth Hoglund <hoglund@wfu.edu>
- 14) [148974] Re: DSW-II questions answered
by Dave Fouchey <dafouchey@comcast.net>
- 15) [148975] Re: FS: unbuilt DSW 20 SOLD
by pmurphy <w6wy@citlink.net>
- 16) [148976] Re: DSW-II questions answered
by "Mike Yetsko" <myetsko@insydesw.com>
- 17) [148977] WIRE ROPE ANT WONDERFULL
by hamjoel@juno.com
- 18) [148978] Re: ARCI QSO Party condx
by "sslyon" <sslyon@megalink.net>

- 19) [148979] measuring power with a scope..calibration
by ve3ab@mail.mondenet.com
- 20) [148980] AT in PA on 30m Today
by "Ron Polityka" <wb3aal@fast.net>
- 21) [148981] Re: My New SP Rig
by steve kavanagh <skavanagh73@yahoo.ca>
- 22) [148982] RE: Using scope to figure rf power question
by "Karl F. Larsen" <k5di@zianet.com>
- 23) [148983] Re: ARCI QSO Party condx
by Wayne Rogers <w5kdj@juno.com>
- 24) [148984] Re: DSW-II questions answered
by "Michael Bower" <bowerm@ix.netcom.com>
- 25) [148985] The "QRP-Canada RUN WITH RAC" announcement.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 26) [148986] Fwd: [SEDXC] Midway (KH3) active on the bands
by Ed Tanton <n4xy@earthlink.net>
- 27) [148987] Fwd: [SEDXC] YI on the air
by Ed Tanton <n4xy@earthlink.net>
- 28) [148988] Re: AT in PA on 30m Today
by "John Huffman" <hjohnc@core.com>
- 29) [148989] kein Betreff
by Andree.Knott@t-online.de (Andree Knott)
- 30) [148990] Re: Using scope to figure rf power question
by Bruce Muscolino <w6toy@erols.com>
- 31) [148991] Dial.zip
by "John J. McDonough" <wb8rcr@arrl.net>
- 32) [148992] Re: Using scope to figure rf power question
by <ah7i@atl.org>
- 33) [148993] SST C37 needed or not?
by "Terres Family" <terresfm@ncia.net>
- 34) [148994] Wanted Polyethylene-film Capacitor
by <n2go@arrl.net>
- 35) [148995] Re: Small satellite computer
by Jeffrey L Greer <wd4et@juno.com>

Date: Sat, 12 Apr 2003 21:55:31 +0200
From: DK3RED@t-online.de (Ingo Meyer DK3RED)
To: qrp-l@lehigh.edu
Subject: [148961] Re: QSL FOR SWL
Message-ID: <5.1.1.6.1.20030412214544.009f7290@pop.btx.dtag.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Don,

>... Just how does one respond to a

>swl?

Yes, I responds also a SWL card! There are also diploms for SWLs around the world.

I use my normal QSL cards for it. There are on my QSL card 2 radio buttons. The first for "Confirming our QSO" and the second for "Confiming your SWL report", so I use the second one for a SWL report.

To : SWL call/number
Date, UTC, QRG: (of the QSO)
2-WAY : CW QSO with XYZ
RST : Tnx fer 559

Please send the card via the QSL bureau to the SWL!

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>
QRP ARCI #11295 <http://www.qrparci.org>

Date: Sat, 12 Apr 2003 16:20:20 -0400
From: "John" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [148962] Info Needed
Message-ID: <007301c30130\$f5512660\$dc3a8d41@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All.

I have a MFJ 20 meter SSB travel radio which works just great. I am looking at installing their CW adapter and would like to hear from anyone who has one as to pros / cons.

Thanks.
John K2JHU...
South Island Real Estate
jdorson@worldshare.net

Date: Sat, 12 Apr 2003 13:43:22 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [148963] Using scope to figure rf power question
Message-ID: <00b401c30134\$288c0ce0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, help!! I am at school and don't have my references with me. What is the formula for figuring output power of a rig using a scope??? Thanks,
Doug

Date: Sat, 12 Apr 2003 16:58:07 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <qrp-1@Lehigh.EDU>
Subject: [148964] FS: Timex/Sinclair satellite antenna tracker
Message-ID: <000701c30136\$37f57200\$53633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I tried this on the AMSAT-BB, no bites. This is a Spectrum West software/hardware interface for the old Timex/Sinclair TS-1000. It predicts satellite orbits AND points the antenna. It works with any potentiometer-type rotor system like the Yaesu Az-El. I've never used it, it simply collects dust and I can't bring myself to throw it out. Pay postage and it could be yours, else it gets pitched. Anyone?

TNX es 72

Howard Kraus, K2UD

Date: Sat, 12 Apr 2003 19:22:09 -0400
From: john <johnmb@nc.rr.com>
To: qrp-1@lehigh.edu
Subject: [148965] Mizuho P7DX
Message-ID: <3.0.3.32.20030412192209.025aa2b4@pop-server.nc.rr.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Just got a one owner P7DX at the Raleigh fest... sure seems nice,
but anyone have any first hand experience with it?

73

John K5MO

Date: Sat, 12 Apr 2003 19:48:49 -0400 (EDT)
From: <ah7i@atl.org>
To: <qrp-1@lehigh.edu>
Subject: [148966] WTS: (relocating) Watkins Johnson receiver module. Great
homebrew
parts...
Message-ID: <Pine.LNX.4.33.0304121947440.8734-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

WTS:

Watkins Johnson module. With computer control it's almost an
entire receiver. Good basis for a homebrew project.

Two synthesizers

Two xtal filters

NICE WJ mixers.

\$62 includes 48 states shipping. AK HI \$65

See photos here

<http://edebris.com/catalog2/item/562>

Be sure to select a thumbnail and use the resolution and scaling options
so you can see all the good parts. IIRC, first filter is 21.4MHz and
200kHz wide.

-Bob

Date: Sat, 12 Apr 2003 17:29:59 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [148967] RE: RH40 Manual?
Message-ID: <000001c30153\$d0fdc070\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks to all who replied. I now have a copy of the RH-40 manual file again!! Who'd have thought that QRP-L was also a file backup service!!

Cheers all,
Dave Fifield, AD6A

Date: Sat, 12 Apr 2003 17:38:53 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <ki6ds@dph.dpol.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [148968] RE: Using scope to figure rf power question
Message-ID: <000101c30155\$0f3252b0\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Doug,

Assuming you are using a 50 Ohm load, and the waveform is a reasonably clean sine wave, measure the peak to peak voltage across the resistor using the scope.

The formula for power is:

$$P = (V_{pk-to-pk}) * (V_{pk-to-pk}) / 400$$

Hope this helps.

Cheers,
Dave F.
AD6A

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Doug Hendricks
Sent: Saturday, April 12, 2003 1:43 PM
To: Low Power Amateur Radio Discussion
Subject: Using scope to figure rf power question

Guys, help!! I am at school and don't have my references with me. What is the

formula for figuring output power of a
rig using a scope??? Thanks, Doug

Date: Sat, 12 Apr 2003 20:01:06 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <ki6ds@dph.dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148969] Re: Using scope to figure rf power question
Message-ID: <007401c30168\$edab9f20\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Doug-

With the rig feeding a 50 ohm load, read the peak to peak voltage on the
scope.

Square that voltage value and divide by 400.

72--Nick, WA5BDU

----- Original Message -----
From: "Doug Hendricks" <ki6ds@dph.dpol.net>

> Guys, help!! I am at school and don't have my references with me. What
is
> the formula for figuring output power of a rig using a scope??? Thanks,
> Doug
>
>

Date: Sat, 12 Apr 2003 20:15:54 -0500
From: "George, W5YR" <w5yr@att.net>
To: <ki6ds@dph.dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148970] Re: Using scope to figure rf power question
Message-ID: <011a01c3015a\$3c008fa0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, after getting that great plaque, I guess I better step forward and try to help out a bit. Been gone all day so it is probably later than you need the help, Doug, but maybe you can file this away for next time! <:}

First, assume that the output signal from the transmitter is a sine wave - no harmonics or waveform irregularities to complicate things. No modulation, either - just a steady continuous sine wave signal with no amplitude changes with time.

Second, assume that the signal is present and constant for long enough to get it synched up on a scope and the amplitude observed. Note that the scope must have a high enough frequency response to show the transmitter signal accurately. Don't try to measure a 10 meter signal with a 5 MHz scope.

Third, assume that the scope vertical amplifier is properly calibrated. Most scopes have a calibrator signal brought out on the front panel. Use that to verify the control setting. If the probe is either X1 or X10, take that into account when figuring the vertical gain control setting in volts per cm or whatever.

OK, with the signal present on the scope screen and the gain set for a convenient signal amplitude - try for about two-thirds of the screen height - measure the peak to peak amplitude of the sine wave in volts. Call this V_{p-p} .

Next, divide this by two to get the peak voltage V_p .

Now, multiply the peak voltage V_p by 0.707 to get the rms voltage V_{rms} .

Square V_{rms} and divide by the resistance of the load across which the voltage is being measured.

The result is the power (in watts) being delivered to the load resistance (in ohms) with the observed voltage (in a-c volts) across it.

Hope this helps.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"In the 57th year and it just keeps getting better!"

<mailto:w5yr@att.net>

----- Original Message -----

From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, April 12, 2003 3:43 PM
Subject: Using scope to figure rf power question

> Guys, help!! I am at school and don't have my references with me. What
is
> the formula for figuring output power of a rig using a scope??? Thanks,
> Doug
>

Date: Sat, 12 Apr 2003 22:43:31 -0400
From: "Mike Yetzko" <myetsko@insydesw.com>
To: <gpeder@elnet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148971] Re: DSW-II questions answered
Message-ID: <004a01c30166\$79e5c860\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I am curious as to what type of halogen lamps you use for photos? Just
regular table
> lamps fitted with halogen bulbs?
>
> Glenn Pederson, WB9QIQ
> gpeder@elnet.com

There are small halogens for photo work. I've seen them for camcorders
that mount on the shoe. They might be 20w, I'm not sure. They usually
have their own batteries built in.

I imagine if they are good for camcorder work, they should also be
good for digital photo work, since the sensors are similar.

Mike

Date: Sat, 12 Apr 2003 20:47:49 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148972] ARCI QSO Party condx
Message-ID: <001e01c30167\$12c622a0\$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Has 20m been bad today, or is it just me? Seems awfully noisy, but I don't know if I'm getting some noise generated here locally. 40m is hopping this evening, though.

73 de Dave NK0E

Date: Sat, 12 Apr 2003 23:02:33 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [148973] Missed & Not-Missed Dates
Message-ID: <3E98D348.25C74F1F@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, even though I marked it on the calendar, I missed getting on the air on April 10th, the day William of Occam was born, he who coined the qrp slogan, "It is in vain to do with more, what can be done with less." Maybe next year.

In the meantime I would like to note to the list that April 18th is World Amateur Radio Day as determined by the IARU. As we have for every year of our existence, the Wake Forest University Amateur Radio Club will put the club station, WF4DD, on the air.

Since the 18th is Good Friday and the student members will all be headed home for a quick break, we'll run the club station from my home QTH rather than a demo station on campus as we have in past years. The plan is to be on 20m from 1300-about 1600 UTC ssb (probably about 14.260), and if you want a colorful qsl card with the Demon Deacon himself featured, please drop by for a qso. If we get lucky, we'll get one of

the area high schoolers who hang with us on the air as well, although that is pretty early for a high schooler!

Obligatory qrp content: I'm still working (not too hard) on WAS with the magnificent SWL WM-20, and will have it on a switched antenna. So if WF4DD works a station from a state I still need, KG4FGC will be switching-in for a quick qso qrp-style. I did get California Friday afternoon under pretty rough conditions!

73

Ken KG4FGC

Faculty Advisor, WFU ARC

Date: Sat, 12 Apr 2003 23:09:40 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: myetsko@insydesw.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148974] Re: DSW-II questions answered
Message-ID: <5.2.1.1.2.20030412230750.00a0a3b0@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Do you leave them on all the time or sync them to the Flash? If sync'd how would you use them with a camera lacking a hot shoe?

Dave
WA4EMR

At 10:43 PM 4/12/03 -0400, Mike Yetsko wrote:

> > I am curious as to what type of halogen lamps you use for photos? Just
> regular table
> > lamps fitted with halogen bulbs?
> >
> > Glenn Pederson, WB9QIQ
> > gpeder@elnet.com
>
> There are small halogens for photo work. I've seen them for camcorders
> that mount on the shoe. They might be 20w, I'm not sure. They usually
> have their own batteries built in.
>
> I imagine if they are good for camcorder work, they should also be
> good for digital photo work, since the sensors are similar.
>

>Mike

Date: Sat, 12 Apr 2003 20:11:37 -0700
From: pmurphy <w6wy@citlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148975] Re: FS: unbuilt DSW 20 SOLD
Message-ID: <5.0.2.1.0.20030412201022.00a1abc0@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:50 AM 4/12/03 -0700, pmurphy wrote:

>The rig is sold. Thanks for all that replied. ---Pete W6WY
>

Date: Sat, 12 Apr 2003 23:18:10 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Dave Fouchey" <dafouchey@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148976] Re: DSW-II questions answered
Message-ID: <010101c3016b\$51a80480\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The ones I've seen are NOT fast reaction by any means. You have to turn them on, and even then they don't 'stabilize' for a few seconds. I suppose if I was doing some critical color photography I'd wait probably at least 10 seconds or maybe 30 or even more to make sure the lights didn't color drift.

Thing is, I don't know... I've personally not used them for still work. It's just that I know about them from camcorder work, and since the sensors are the same technology I would imagine the color of the lights should be good for both.

In fact, I haven't tried them for still work with film. Might be an interesting experiment to set up my Canon with sunlight, a halogen, and maybe a few flash setups, and take photos of some 'reference sheets'. I have a

reference sheet for my scanner, but it may not be easy to actually take a 'photo' of it and get results that mean anything.

Heck, it doesn't have to be a reference sheet, when you think about it. All I need to do is get the 'same' sheet for each test.

Now, how to make sure it's a level playing field? I suppose I could put a piece of 'white' paper on the wall in the middle of the field surrounded by different primary colors. Then use a good light meter to get a 'reference brightness' off the white to take the photo. I could adjust the brightness by moving the lights closer and further.

All but the flash units....

Mike

```
> Do you leave them on all the time or sync them to the Flash? If sync'd
how
> would you use them with a camera lacking a hot shoe?
>
> Dave
> WA4EMR
>
>
> At 10:43 PM 4/12/03 -0400, Mike Yetsko wrote:
> > > I am curious as to what type of halogen lamps you use for photos?
Just
> > regular table
> > > lamps fitted with halogen bulbs?
> > >
> > > Glenn Pederson, WB9QIQ
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> >
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> > that mount on the shoe. They might be 20w, I'm not sure. They usually
> > have their own batteries built in.
> >
> > I imagine if they are good for camcorder work, they should also be
> > good for digital photo work, since the sensors are similar.
> >
> > Mike
>
```

Date: Sun, 13 Apr 2003 03:34:21 GMT

From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [148977] WIRE ROPE ANT WONDERFULL
Message-ID: <20030412.203517.21479.635516@webmail04.lax.unttd.com>

HIGH

SO FAR TONITE AROUND 7.026 i HAVE WORKED (AT 5WATTS) OK1...
EA4... SU9... EVEN BUSTED A PILE UP ON THE SU9 STATION...

GOTS LOTS OF QSB HOWEVER MY REPORTS SEEM TO BE 55 CONSISTANTLY
FROM NORTHERN EUROPE TO EGYPT...

WOW MAN WHAT A FEELING...

KE1LA JOEL
IN MAINE

KE1LA JOEL
IN MAINE
FREEZIN

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Only \$9.95 per month!
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Date: Sun, 13 Apr 2003 01:09:50 -0400
From: "sslyon" <sslyon@megalink.net>
To: <ekdave@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148978] Re: ARCI QSO Party condx
Message-ID: <001b01c3017a\$e9843760\$0ac8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I got on a bit after 9:00PM EDST and found activity does seem bit low on 20m and
it died early. And you're right... 40m was "hop-ing" all right. I had a run of
AK, WA, OR, CA and have seldom seen the skip rings so clearly defined. Did ok
late on 80m for AZ, CO, MN, FL.

Using a 176' EDZ up 55'. Couldn't get the loop up in time.
more later...

73
aa1my

Seabury & Sharon Lyon

99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "Dave Ek" <ekdave@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, April 12, 2003 10:47 PM

Subject: ARCI QSO Party condx

> Has 20m been bad today, or is it just me? Seems awfully noisy, but I don't
> know if I'm getting some noise generated here locally. 40m is hopping this
> evening, though.

>

> 73 de Dave NK0E

>

>

Date: Sun, 13 Apr 2003 00:27:53 +0000

From: ve3ab@mail.mondenet.com

To: qrp-l@Lehigh.EDU

Subject: [148979] measuring power with a scope..calibration

Message-ID: <200304130426.h3D4QKX0008134@barclay.mondenet.com>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

I found it very interesting ..the calculations..Ive kept them on
file.

My scope is somewhat suspect for calibration..it is a used scope. One
thing ive done is assembled a breadboard with many different crystal
oscillator modules. TTL modules should give a pretty predictable
output of 5 v p-p output..(i think that is about 40 mw output
roughly). So I can use this as a "guide"...to keep my scope
honest..and as well..i can use these oscillators for test purposes
ect. Some of the modules Ive pulled off of scrapped computer boards.
Some are in amateur bands..others are close...73 Earl VE3AB

Date: Sun, 13 Apr 2003 06:21:46 -0400

From: "Ron Polityka" <wb3aal@fast.net>

To: ". QRP-L" <qrp-l@lehigh.edu>

Subject: [148980] AT in PA on 30m Today
Message-ID: <001601c301a6\$7d84a5f0\$623c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Well I am heading out to the Appalachian Trail to operate on 30 meters. I am going to Route 501 near Pine Grove and I will hike North to Round Head look out. I should be there and on the air by 14:00 UTC between 10.106 MHz and up due to QRM.

I will be using my K1 @ 5 watts with a 30 meter dipole.

72 & Good DX
Ron de WB3AAL
wb3aal@fast.net
www.n3epa.org

Date: Sun, 13 Apr 2003 07:38:40 -0400 (EDT)
From: steve kavanagh <skavanagh73@yahoo.ca>
To: qrp-l@Lehigh.EDU
Subject: [148981] Re: My New SP Rig
Message-ID: <20030413113840.99149.qmail@web20504.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I want to second Dennis' comments on ugly construction with SMT components. I recently breadboarded a VHF circuit using ugly construction in which I used a SMT bypass capacitor (as I knew they actually work at the frequency of interest, whereas most disk-ceramics are rather unpredictable without extensive testing).

Well, the circuit didn't work at all. After hours of frustrating troubleshooting I discovered that the SMT bypass capacitor (mounted on end with the bottom end soldered to the ground plane and various components soldered to the top end) had cracked in two, but the top half had moved so little that the crack was not visible. So I replaced the cap with another one. The circuit still didn't work. Knowing what to look for,

I quickly found that this second one had also cracked.
The third time I was lucky. The circuit worked and I was able to build up the real version. However, upon dismantling the breadboard the third capacitor also cracked in half.

So my advice on ugly construction with SMT parts is STAY AWAY ! I have never had an SMT part crack when mounted normally, even on fairly thin and flexible boards.

73,
Steve VE3SMA

Post your free ad now! <http://personals.yahoo.ca>

Date: Sun, 13 Apr 2003 05:41:54 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Dave Fifield <dave@redhotradio.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148982] RE: Using scope to figure rf power question
Message-ID: <Pine.LNX.4.44.0304130538520.1548-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave, It took me 15 minutes to prove your formula. Most of that time was used writing down the characters....:-) But yours is correct enough for professional work.

On Sat, 12 Apr 2003, Dave Fifield wrote:

> Hi Doug,
>
> Assuming you are using a 50 Ohm load, and the waveform
> is a reasonably clean sine wave, measure the peak to
> peak voltage across the resistor using the scope.
>
> The formula for power is:
>
> $P = (V_{pk-to-pk})^2 / 400$
>
> Hope this helps.
>

> Cheers,
> Dave F.
> AD6A
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Doug
Hendricks
> Sent: Saturday, April 12, 2003 1:43 PM
> To: Low Power Amateur Radio Discussion
> Subject: Using scope to figure rf power question
>
>
> Guys, help!! I am at school and don't have my references with me. What is the
formula for figuring output power of a
> rig using a scope??? Thanks, Doug
>
>
--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sun, 13 Apr 2003 07:27:11 -0500
From: Wayne Rogers <w5kdj@juno.com>
To: ekdave@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [148983] Re: ARCI QSO Party condx
Message-ID: <20030413.072711.-1693575.0.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

20 has been pretty good here in Houston, 15 is wide open but no one is on
it.

Wayne _ W5KDJ
NW Houston
SV0WWW _ TF2WJN
ARCI_11325 * ARS_1392 * SOC_538

Date: Sun, 13 Apr 2003 09:02:16 -0400
From: "Michael Bower" <bowerm@ix.netcom.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148984] Re: DSW-II questions answered
Message-ID: <410-22003401313216181@ix.netcom.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

I'm guessing here (I hope educated but it's Sunday morning and I left my brain....now where did I leave it.....)

They must be left on. Using them as a flash implies that they are instantly up to color temp and full power when turned on (that's how a strobe works). Halogen bulbs don't do that. They may look like it to our eyes but from a camera point of view, they aren't fast enough.

Halogen is nice because of the color balance and brightness. And the lamp can be fairly small. But really any bulb will do IF you can get good color AND you get a lot of power. You need both.

Michael N4NMR

> [Original Message]
> From: Dave Fouchey <dafouchey@comcast.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: 4/12/2003 10:18:49 PM
> Subject: Re: DSW-II questions answered
>
> Do you leave them on all the time or sync them to the Flash? If sync'd how
> would you use them with a camera lacking a hot shoe?
>
> Dave
> WA4EMR
>
>
> At 10:43 PM 4/12/03 -0400, Mike Yetzko wrote:
> > > I am curious as to what type of halogen lamps you use for photos?
Just
> > regular table
> > > lamps fitted with halogen bulbs?
> > >
> > > Glenn Pederson, WB9QIQ
> > > gpeder@elnet.com
> > >
> > There are small halogens for photo work. I've seen them for camcorders

> >that mount on the shoe. They might be 20w, I'm not sure. They usually
> >have their own batteries built in.
> >
> >I imagine if they are good for camcorder work, they should also be
> >good for digital photo work, since the sensors are similar.
> >
> >Mike

Date: Sun, 13 Apr 2003 08:29:42 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
George Dobbs <g3rjv@gqrp.com>,
Subject: [148985] The "QRP-Canada RUN WITH RAC" announcement.
Message-ID: <Pine.LNX.4.33.0304130826210.20452-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The RAC Contests, which run annually on July 1st (Canada Day) and in December, have proven to be very popular. One of the categories which has enjoyed an increased participation over the last few years has been the QRP category.

The members of the QRP-Canada mailing list have sponsored the QRP plaques for this category for the last 5 years and have just raised the funds for the next 5 years. The plaque goes to the Single Operator who operates on all bands and combines SSB & CW for the highest score.

A number of e-mails have been posted on QRP-Canada promoting a desire to recognize additional QRP categories.

Therefore, QRP-Canada, starting with this year's Canada Day contest, will run a contest in "parallel" with the RAC Summer & Winter events.

All you have to do is operate in the RAC Summer & Winter contests, as you normally would. When each contest is over, just submit a Summary Sheet (example below) within 30 days of the contest ending to:

Bruce Rattray (VE5RC+VE5QRP)
128 Durham Drive
Regina, SK. S4S 4Z2
Canada

...or e-mail to rattray@accesscomm.ca

After the scores have been checked, an announcement of the winners in each category will appear on the QRP-Canada mailing list and also in the TCA magazine.

For the first running of "QRP-Canada RUN WITH RAC", there will be no minimum number of entries for any category.

An appropriate Certificate will be sent to the winner of each category.

Here are the 10 categories:

- QRP-Canada RUN WITH RAC categories -

SOAB - LP - [1 w. output max] - SSB only.
- single operator, all bands, low power, 1 watt max, SSB.

SOSB - LP - [1 w. output max] - SSB. [20, 15 or 10 mtrs only]
- single operator, single band, low power, 1 watt max, SSB.

SOAB - LP - [1 w. output max] - CW.
- single operator, all bands, low power, 1 watt max, CW.

SOSB - LP - [1 w. output max] - CW. [20, 15, or 10 mtrs only]
- single operator, single band, low power, 1 watt max, CW.

DX stations (non-Canadian & USA) -

SOAB - HP - [5 w. output max] - SSB & CW.
- single operator, single xmtr, all bands - high power, 5 watts max,
SSB + CW.

QRP Clubs -

MSAB - HP - [5 w. output max] - SSB & CW.
- multioperators, single xmtr, all bands, high power, 5 watts max,
SSB + CW.

Summary Sheet example:

- QRP-CANADA "RUN WITH RAC" CONTEST SUBMISSION -

Submitted by: (full name & Call)
Operating as: (call or club call)
Address:
City,Province,State:
Country:
Postal Code/Zip:
E-mail address:
Category entered:

- SCORE CALCULATION -

Canadian Qsos were	:	(x10)	=	[excludes RAC qsos]
RAC QSOs were	:	(x20)	=	
Total DX contacts	:	(x2)	=	

Total of ALL QSOs	:	QSOs	=	<--total points.
Total Multipliers	:		=	

CLAIMED SCORE:	=	points.
----------------	---	---------

Signature:

*** PLEASE SPREAD THE WORD...thank you ***

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 13 Apr 2003 10:35:31 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [148986] Fwd: [SEDXC] Midway (KH3) active on the bands
Message-ID: <5.2.0.9.2.20030413103414.03232830@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>From: "David L. Thompson" <thompson@mindspring.com>

>To: <sedxc@contesting.com>

>Date: Sun, 13 Apr 2003 01:13:47 -0400

>

>

>John KH3/KT6E has been quite active on 10, 15, and 20 meters from Johnston
>Island. He is using the big antenna that was left from the old KJ6BZ
>operation. I worked him on 28601.5 on 10 and 14256 on 20 with good signals
>both times. John is there working as a chemist helping to rid the Island of
>the poison chemicals that were stored there from the cold war. He hopes to
>be there about 2 months and has posted his Johnston island mailing address
>on QRZ.com. Look up KT6E. I saw some spots saying QSL via home call but he
>was telling me he hoped to get his cards (mail arrives twice a week via C
>130) and start QSling from there. He hopes to be active on all bands either
>with the KJ6BZ tri-band beam or with a long wire on 80 to 10 including the
>WARC bands.

>

>He points out that the AH3D operation (before he arrived) was not the last
>from KH3 and his will also not be the last. Once the Island is cleaned up
>it will join KP1 and KP5 as hard to operate from.

>

>On 20 he was working across the states and into Europe with good success.

>

>73 Dave K4JRB

>

>

>-----

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY

189 Pioneer Trail

Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;

SEDXC NCDXA GACW QRP-ARCI

OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and

deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sun, 13 Apr 2003 10:37:32 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [148987] Fwd: [SEDXC] YI on the air
Message-ID: <5.2.0.9.2.20030413103619.03245a88@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I found this interesting-whether or not they count, or are 'workable'.

>From: "David L. Thompson" <thompson@mindspring.com>
>To: <sedxc@contesting.com>
>
>I have heard Mark YI/NG5L on 20 SSB twice this past day. He was on at 0430Z
>on 14195 but was very weak here. WA4CQ worked him and tried to get him in
>touch with his father NG5S in North Carolina. He was on 14240 (not a net
>they claimed) and between 57 and 59 at 2145Z. He went QRT as he had a sked
>with his Dad at 0400Z today. There is a KT4 that has been active on 15 SSB
>as reported by ARRL.
>
>W3UR spoke with Mark and advised him to get a letter from his commanding
>officer so his operation might count for DXCC. 14240 was abuzz with
>stations saying that he would not count
>while he was in QSO. Hopefully these QRMers will go away and let him QSO
>stations in peace.
>Two other hams are scheduled to arrive next week (the military will still be
>their main job). Mark was asked about CW but he told the station that the
>military did not use CW now and he had no key. He was not sure his jeep
>mounted transceiver would operate CW.
>
>Stay tuned for more.
>
>73 Dave K4JRB

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
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LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

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temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sun, 13 Apr 2003 10:41:37 -0400
From: "John Huffman" <hjohnc@core.com>
To: <wb3aal@fast.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148988] Re: AT in PA on 30m Today
Message-ID: <043501c301ca\$cd3cc7c0\$a0c859cf@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All -

Ron is 599 at 10.10585 at 14:40 sitting on a log waiting for a QSO.

73 de NA8M
John

> Hello,
>
> Well I am heading out to the Appalachian Trail to operate on 30 meters. I
> am going to Route 501 near Pine Grove and I will hike North to Round Head
> look out. I should be there and on the air by 14:00 UTC between 10.106 MHz
> and up due to QRM.
>
> I will be using my K1 @ 5 watts with a 30 meter dipole.
>
> 72 & Good DX
> Ron de WB3AAL
> wb3aal@fast.net
> www.n3epa.org

Date: Sun, 13 Apr 2003 17:38:44 +0200
From: Andree.Knott@t-online.de (Andree Knott)
To: qrp-l@lehigh.edu
Subject: [148989] kein Betreff
Message-ID: <194jZ6-0rjPVoC@fwd05.sul.t-online.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT

I am looking for a K20 CW-keyboard. I need the chipset at least or the whole
circuit board from K1EL. Is there anyone who sell this to me? DD3LY
andree.knott@t-online.de

Date: Fri, 11 Apr 2003 12:41:31 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [148990] Re: Using scope to figure rf power question
Message-ID: <3E96F03B.F9994AAB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Karl F. Larsen" wrote:

>

> Hi Dave, It took me 15 minutes to prove your formula. Most of that time
> was used writing down the characters...:-) But yours is correct enough
> for professional work.

>

I'd like to add this comment. While the formula may be correct, one should never forget that the basic formula is V^2/R . Yes, all the factors may be combined, and the result may turn out to be 400, application of the basic formula MAY result in better understanding, Also, remember, you get what you put in, peak to peak, peak, or rms!

73

Date: Sun, 13 Apr 2003 12:53:54 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <qrp@mailman.qth.net>
Subject: [148991] Dial.zip
Message-ID: <004b01c301dd\$467cf3a0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I've just uploaded a new version of Dial.zip (the Windows version of Dial) to my QSLMaker site at <http://hfradio.org/wb8rcr>. I haven't updated the web site yet to indicate the new version, nor have I updated the command line version for Linux nor the Panel program. The Dial and Panel programs are hidden in a link at the bottom of the navbar at the QSLMaker site.

The only change is to allow the dial to be rotated. Previously, the program assumed that the control was positioned "normally", that is, with the dead portion of the control centered on straight down. This is still the default but you may now rotate the dial in one degree increments.

For those of you who haven't used Dial, it is a Windows program that allows you to easily print a dial for a control. The Panel program allows you to create an entire panel, but it produces PostScript output so it's messier to use than Dial which uses whatever Windows printer you have selected.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 13 Apr 2003 14:42:19 -0400 (EDT)

From: <ah7i@atl.org>
To: <qrp-l@Lehigh.EDU>
Subject: [148992] Re: Using scope to figure rf power question
Message-ID: <Pine.LNX.4.33.0304131438400.24872-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You can get very good results with a dummy load, cooler,
thermometer, and simple maths.

-Bob
ah7i

Date: Sun, 13 Apr 2003 14:56:27 -0400
From: "Terres Family" <terresfm@ncia.net>
To: <qrp-l@Lehigh.EDU>
Subject: [148993] SST C37 needed or not?
Message-ID: <000001c301ee\$651e88d0\$8382f3ce@amdxp2100>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi,
I recently bought an sst for 30 that was one of the original NorCal kit offerings.

C37 is missing. There is a space for it with holes and a label for the part but it appears it was never placed. The 'revision A' schematic shows it as a 0.022 bypass cap to ground at the audio out jack J4.

On the Wilderness Radio 'Revision B' schematic, which is more recent and presumably improved, there is no C37.

I have searched the postings of 'SST Mods' from QRP-L that can be found on the net, but there is no mention of C37.

So, is C37 'good', 'bad', 'sometimes bad', 'optional', 'could be good but not that good and just one more part....', 'good for Rev.A but not good for Rev.B', or whatever?????

Thanks and 73/72
Jerry aa1of

Date: Sun, 13 Apr 2003 15:14:46 -0400 (EDT)
From: <n2go@arrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [148994] Wanted Polyethylene-film Capacitor
Message-ID: <Pine.LNX.4.33.0304131507040.11041-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need a small variable cap. It used to be Mouser part number 24TR222 which comes up as not valid on their website.

The capacitance is 5-59pf. I think it was used in little transistor radios at one time. The tiny mounting screws would be helpful also :)

I was pretty sure that I had one... but I can't seem to locate it in my junk boxes.

I would rather not substitute with a larger cap since I am using a very small motor to turn it. It may not have the torque to turn something larger. Also, it and the associated circuitry are mounted in a very small stamped metal box.

73,

Jim n2go

Date: Sun, 13 Apr 2003 08:56:46 -0500
From: Jeffrey L Greer <wd4et@juno.com>
To: WD8CIV@worldnet.att.net
Cc: qrp-1@Lehigh.EDU
Subject: [148995] Re: Small satellite computer
Message-ID: <20030413.145851.-705231.0.wd4et@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The ISS has a program called EarthKAM.

The program was founded by Sally Ride and UCSD.

It uses a Nikon digital camera and an IBM laptop for data control.

Details at: <http://www.earthkam.ucsd.edu>

It is a great program, my "Far Out Science" class just completed a week long session on the project.

73, Jeff WD4ET

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End of QRP-L Digest 2889

